

11

CHANGE ORDER NO. 1
ITEM NO.11 BREAKDOWN

Title: Unstable soil was not encountered

Description: Deduction of 500 L.F. of unstable soil not encountered during excavation.

Reason: SBMWD staff working in the location of the proposed pipe alignment before bid had encountered soils that were very dry and granular (sugar sand). The construction specifications were written to include 500 feet of this material during construction. Because of the unusually wet season, the sand was saturated and held its shape very well. No unstable soil was encountered during construction. The 500 feet of unstable soil was deducted from the contract at the price provided in the bid schedule. A deduction as described in the bid documents is required for the work that was not necessary. (500 feet @ \$ 1.00 per foot)

Prior Approval: Not Applicable

**Contractor's
Proposed Deduct:** \$ 1.00 foot bid price

**Negotiated
Total Deduct:** (\$ 500.00)

Time Extension: 0 Days

INVOICE #3

FEBRUARY 19 - APRIL 3, 1998

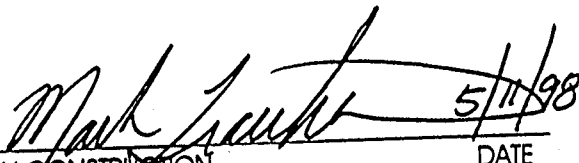
PROJECT: NEWMARK WATER TRANSMISSION MAIN
SPECIFICATION #1281

CONTRACTOR: TRAUTWEIN CONSTRUCTION
14046 SANTA ANA AVE., FONTANA, CA 92337
909-829-8258 FAX 909-829-8278

OWNER: SAN BERNARDINO WATER DEPARTMENT
195 N "D" STREET, SAN BERNARDINO, CA 92401

TOTAL BASE BID QUANTITIES FOR ALL SEGMENTS		TOTAL WORK COMPLETED	CONTRACT ALLOWABLE	ADD/ DEDUCT
1. SEWER LATERALS -	100 EA @ 100.00	25 EA	10,000.00	(7,500.00)
2. CONCRETE REMOVAL -	25,000 SF @ 1.00	12,874 SF	25,000.00	(12,126.00)
3. UNSTABLE SOIL -	500 LF @ 1.00		500.00	(500.00)
4. IMPORTED BACKFILL GRAVEL -	150 CY @ 20.00		3,000.00	(3,000.00)
			TOTAL DEDUCT	(23,126.00)

BILLING SEGMENT #1	117,399.07
BILLING SEGMENT #2	213,192.63
BILLING SEGMENT #3	218,144.30
DEDUCT QUANTITIES	(23,126.00)


TRAUTWEIN CONSTRUCTION
DATE 5/11/98

TOTAL AMOUNT EARNED:	525,610.00
RETENTION (10%):	(52,561.00)
TOTAL AMOUNT PAYABLE TO DATE:	473,049.00
LESS PREVIOUS PAYMENTS:	(290,142.63)
BALANCE DUE UNDER BILLING NO. 3:	\$182,906.37

SAN BERNARDINO WATER DEPARTMENT

BID PROPOSAL
Specification No. 1281

THOMAS A. VALDEZ
CITY OF SAN BERNARDINO MUNICIPAL WATER DEPARTMENT
195 NORTH "D" STREET, SAN BERNARDINO, CA 92402

FURNISH ALL LABOR, EQUIPMENT, AND MATERIALS REQUIRED FOR PHASE II, SOUTH PLANT, RAW WATER TRANSMISSION PIPELINE CONSISTING OF 24" DUCTILE IRON PIPE AND ASSOCIATED APPURTENANCES FOR THE NEWMARK DRINKING WATER RESTORATION SUPERFUND PROJECT NO. 5272, SAN BERNARDINO, CALIFORNIA

UNDERSIGNED, AS BIDDER, HEREBY AGREES AND DECLARES THAT:

BID IS IRREVOCABLE FOR SIXTY DAYS: Proposals delivered to the Owner at the time set for opening of bids shall be irrevocable, and may not be withdrawn for a period of sixty (60) days after the date set for the opening of bids.

CONSTRUCTION: (Except that the Owner shall provide the materials listed in the Information to Bidders under "Owner Supplied Materials") the Contractor will furnish all labor, equipment, and materials required for a Raw Water Transmission Pipeline consisting of 24" Ductile Iron Pipe and associated appurtenances for, *Segment one (1)*: North of Mt. View Avenue Station 60+63 and South of Mt. View Station 80+00; and *Segment two (2)*: North of Mt. View Station 80+00 and South of Mt. View Station 115+16; and *Segment three (3)*: East of Marshall Boulevard Station 10+40; and Alternate bid item No. 1: USEPA South Plant Pipeline - Waterman Plant Improvements of the Newmark Drinking Water Restoration Superfund Project, San Bernardino, California in accordance with the Specifications.

Segments one through three, as defined above, will be equal to the lump sum base bid, prorated by the pipe length associated with that segment.

SCHEDULE OF PRICES: All prices quoted shall include all applicable sales taxes, State and/or Federal, any other special taxes, and full insurance paid by the Bidder to complete the Contract as specified in these Specifications.

BASE BID QUANTITIES: The lump sum base bid includes 100 sewer laterals, 25,000 Sq. Ft. of concrete removal 500 linear feet of unstable soil and 150 cubic yards of impounded backfill gravel. The base bid will be increased or decreased by the amount equal to the difference in quantity and cost for each item that deviates from the base bid amount.

UNIT PRICES: The undersigned bidder will accept, as adjustment to the Lump Sum Bid for quantities of Work different than indicated on the Plans, the amount resulting from applying to the differences the following unit prices.

It is understood that all add or deduct unit prices must be filled in and that all unit prices must be reasonable and are subject to the Owner's approval prior to award of the Contract.

ADD or DEDUCT UNIT PRICES NOT IN CONTRACT
All prices must be filled in.

WATER VALVES:

4" Gate Valve
6" Gate Valve
8" Gate Valve
12" Gate Valve
Butterfly Valve
20" Butterfly Valve
24" Butterfly Valve

<u>UNIT PRICES:</u>	
\$	<u>400⁰⁰</u>
\$	<u>500⁰⁰</u>
\$	<u>620⁰⁰</u>
\$	<u>1500⁰⁰</u>
\$	<u>3500⁰⁰</u>
\$	<u>3000⁰⁰</u>
\$	<u>6000⁰⁰</u>

ADD or DEDUCT UNIT PRICES NOT IN CONTRACT
Specification No. 1281, Continued

OFFSETS:

Offset Existing	4" Steel
Offset Existing	6" Steel
Offset Existing	8" Steel
Offset Existing	12" Steel
Offset Existing	16" Steel
Offset Existing	20" Steel
Offset Existing	4" C. I.
Offset Existing	6" C. I.
Offset Existing	8" C. I.
Offset Existing	12" C. I.
Offset Existing	16" C. I.
Offset Existing	20" C. I.
Offset Proposed	24" D. I. P.

UNIT PRICES:

\$	<u>300⁰⁰</u>
\$	<u>400⁰⁰</u>
\$	<u>450⁰⁰</u>
\$	<u>480⁰⁰</u>
\$	<u>500⁰⁰</u>
\$	<u>550⁰⁰</u>
\$	<u>350⁰⁰</u>
\$	<u>450⁰⁰</u>
\$	<u>480⁰⁰</u>
\$	<u>500⁰⁰</u>
\$	<u>550⁰⁰</u>
\$	<u>650⁰⁰</u>
\$	<u>10,000⁰⁰</u>

AIR VACUUM AND RELEASE VALVES:

1" Air Release Valve
2" Air Vacuum and Release Valve

\$	<u>350⁰⁰</u>
\$	<u>400⁰⁰</u>

CONCRETE REMOVAL / ASPHALT REPAIR:

Remove Existing Concrete
Underlayment (Per Square Foot)
Asphalt Repair (Per Square Foot)

\$	<u>1.00</u>
\$	<u>0.25</u>
\$	<u>1.00</u>

BLOW OFF ASSEMBLY:

8" Blow Off Assembly

\$	<u>550⁰⁰</u>
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RESTRAINED JOINTS:

12" PVC Restrainer Joint
16" Ductile Iron Restrained Joint
24" Ductile Iron Restrained Joint

\$	<u>500⁰⁰</u>
\$	<u>750⁰⁰</u>
\$	<u>1000⁰⁰</u>

HOT TAPS:

12" Tap On 24" D.I.P.
12" Tap On 16" D.I.P.
8" Tap On 24" D.I.P.
8" Tap On 16" D.I.P.
8" Tap On 12" D.I.P.

\$	<u>1,200⁰⁰</u>
\$	<u>1,000⁰⁰</u>
\$	<u>750⁰⁰</u>
\$	<u>750⁰⁰</u>
\$	<u>750⁰⁰</u>

THRUST BLOCKS:

Poured Concrete Thrust Block (Per Cubic Yard)

\$	<u>400⁰⁰</u>
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PIPE INSTALLATION

6" Ductile Iron Pipe (Per Foot)
8" Ductile iron Pipe (Per Foot)
12" Ductile Iron Pipe (Per Foot)
16" Ductile Iron Pipe (Per Foot)
24" Ductile Iron Pipe (Per Foot)

\$	<u>100⁰⁰</u>
\$	<u>65⁰⁰</u>
\$	<u>80⁰⁰</u>
\$	<u>90⁰⁰</u>
\$	<u>100⁰⁰</u>

SEWER LATERALS:

Repair/Replace Sewer Laterals

\$	<u>100⁰⁰</u>
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BACKFILL GRAVEL AND UNSTABLE TRENCH:

Imported Backfill Gravel (Per cubic yard)
Unstable Trench (per linear foot)

\$	<u>20⁰⁰</u>
\$	<u>1⁰⁰</u>

NOTE: ALL PRICES SHALL BE FOR A COMPLETELY INSTALLED PRODUCT INCLUDING LABOR, EQUIPMENT, OVERHEAD/PROFIT, TAXES/FEES, AND ANY OTHER CHARGES. MATERIAL SHALL BE NEGOTIATED BASED ON AVAILABILITY AND SBMWD STOCK.

DO NOT INCLUDE ADD OR DEDUCT UNIT PRICES IN LUMP SUM BID

6. BASE BID: \$ 486,486.00 (WRITTEN IN FIGURES)
FOUR HUNDRED EIGHTY SIX THOUSAND FOUR HUNDRED EIGHTY SIX. (WRITTEN IN WORDS)

7. ALTERNATE BID: \$ 461,750.00 (WRITTEN IN FIGURES)
FORTY SIX THOUSAND SEVEN HUNDRED FIFTY (WRITTEN IN WORDS)

8. CALENDAR DAYS TO COMPLETE CONTRACT AFTER NOTICE TO PROCEED HAS BEEN ISSUED BY THE OWNER: 120 CALENDAR.

9. LIST FEDERAL TAX I.D. NO.: 33-0530501

10. BASIS OF AWARD: The award will be made to the responsive, responsible Bidder submitting the most advantageous bid to the Owner. The award will be determined after review by the Owner and/or the Owner's representative and will be based on the technical and/or legal sufficiency of the bid submitted. The Owner reserves the right to reject any or all bids, in whole or in part, and to waive informality, irregularity, and nonconformity in the bids received when deemed advisable for the public good.

11. EXPERIENCE AND BUSINESS STANDING

A. Statement.

Each Bidder shall submit with his bid a statement setting forth his experience and business standing for three(3) years.

B. Each Bidder shall show that they have completed at least 15,000 feet of pipelines, over 15" in diameter and that they have constructed at least 10,000 feet of ductile iron pipeline in city streets.

C. The following is a statement of the undersigned Bidder's experience for three (3) years.

DATE	LOCATION	QUANTITY	CONTACT PERSON	PHONE #.
5/22/97	CITY OF SAN BERNARDINO	12,000 FT DIP	JAMES DINE	384-5391
11/96	CITY OF FONTANA	12,500 LF CM/C-11" GREG	BUCKWELL	350-7610
6/96	RUBIDON -	1500 LF 16" DIP	MIKE THORNTON - KTS	909-684-6908
2/96	RANCHO CALIF. WATER DIST. TEMECULA	6000 LF-24" CM/C	CRIG MAPEL	909-676-4101
6/95	RUBIDON	5000 LF 24" CM/C	STEVE APPEL	909-684-7580

12. FIELD INSPECTION OF SITE - The Bidder certifies that he/she has conducted a prebid site inspection prior to submitting this bid proposal.

DATE OF SITE INSPECTION: 11/18/97 BY: BRIAN ESHLEMAN

WATER DEPARTMENT REPRESENTATIVE PRESENT DURING SITE INSPECTION:

TOM VALDEZ

(Name of Water Department Employee)

13. ADDENDA

Bidder acknowledges receipt of the following addendum (addenda):

(BIDDER'S INITIALS)

14. BIDDER

The name of the Bidder submitting this proposal is:

TRAUTWEIN CONSTRUCTION

(Please print or type)
whose address is 14046 SANTA ANA AVE. FONTANA CA 92337
Street City State Zip Code

and whose telephone number is 909 829-8250

15. LUMP SUM BID (BASE BID) \$ 486,486.00 Four hundred eighty six thousand four hundred eighty six
(in figures) (in words)

16. SIGNATURE OF BIDDER: Mark Trautwein

17. PRINT OR TYPE NAME OF BIDDER: MARK TRAUTWEIN

18. COMPANY NAME: TRAUTWEIN CONSTRUCTION

12

CHANGE ORDER NO. 1
ITEM NO. 12 BREAKDOWN

Title: Import backfill gravel not imported

Description: A deduction of 150 CY of backfill gravel included in the specification but not required during construction.

Reason: During the first phase of construction other contractors encountered soil fine silty material that was not easily compacted using conventional means. Rather than risk future street failures the decision was made to import backfill gravel to achieve better compaction. During this project a base amount of 150 cubic yards (CY) and a bid price were included to establish a cost for gravel imported for this poor soil condition. No imported gravel was required for construction. A deduction as described in the bid documents is required for the work that was not necessary. (150 CU @ \$ 20.00 per CY)

Prior Approval: Not Applicable

**Contractor's
Proposed Deduct:** \$ 20.00 per CY bid price

**Negotiated
Total Deduct:** (\$ 3,000.00)

Time Extension: 0 Days

INVOICE #3

FEBRUARY 19 - APRIL 3, 1998

PROJECT: NEWMARK WATER TRANSMISSION MAIN
SPECIFICATION #1281

CONTRACTOR: TRAUTWEIN CONSTRUCTION
14046 SANTA ANA AVE., FONTANA, CA 92337
909-829-8258 FAX 909-829-8278

OWNER: SAN BERNARDINO WATER DEPARTMENT
195 N "D" STREET, SAN BERNARDINO, CA 92401

TOTAL BASE BID QUANTITIES FOR ALL SEGMENTS		TOTAL WORK COMPLETED	CONTRACT ALLOWABLE	ADD/ DEDUCT
1. SEWER LATERALS -	100 EA @ 100.00	25 EA	10,000.00	(7,500.00)
2. CONCRETE REMOVAL -	25,000 SF @ 1.00	12,874 SF	25,000.00	(12,126.00)
3. UNSTABLE SOIL -	500 LF @ 1.00		500.00	(500.00)
4. IMPORTED BACKFILL GRAVEL -	150 CY @ 20.00		3,000.00	(3,000.00)
			TOTAL DEDUCT	(23,126.00)

BILLING SEGMENT #1	117,399.07
BILLING SEGMENT #2	213,192.63
BILLING SEGMENT #3	218,144.30
DEDUCT QUANTITIES	(23,126.00)

TOTAL AMOUNT EARNED:	525,610.00
RETENTION (10%):	(52,561.00)
TOTAL AMOUNT PAYABLE TO DATE:	473,049.00
LESS PREVIOUS PAYMENTS:	(290,142.63)
BALANCE DUE UNDER BILLING NO. 3:	\$182,906.37

 5/11/98
TRAUTWEIN CONSTRUCTION DATE

SAN BERNARDINO WATER DEPARTMENT

BID PROPOSAL
Specification No. 1281

THOMAS A. VALDEZ
CITY OF SAN BERNARDINO MUNICIPAL WATER DEPARTMENT
195 NORTH "D" STREET, SAN BERNARDINO, CA 92402

FURNISH ALL LABOR, EQUIPMENT, AND MATERIALS REQUIRED FOR PHASE II, SOUTH PLANT, RAW WATER TRANSMISSION PIPELINE CONSISTING OF 24" DUCTILE IRON PIPE AND ASSOCIATED APPURTENANCES FOR THE NEWMARK DRINKING WATER RESTORATION SUPERFUND PROJECT NO. 5272, SAN BERNARDINO, CALIFORNIA

UNDERSIGNED, AS BIDDER, HEREBY AGREES AND DECLARES THAT:

PROPOSAL IRREVOCABLE FOR SIXTY DAYS: Proposals delivered to the Owner at the time set for opening of bids shall be irrevocable, and may not be withdrawn for a period of sixty (60) days after the date set for the opening of bids.

CONSTRUCTION: (Except that the Owner shall provide the materials listed in the Information to Bidders under "Owner Supplied Materials") the Contractor will furnish all labor, equipment, and materials required for a Raw Water Transmission Pipeline consisting of 24" Ductile Iron Pipe and associated appurtenances for, *Segment one (1)*: North of Mt. View Avenue Station 60+63 and South of Mt. View Station 80+00; and *Segment two (2)*: North of Mt. View Station 80+00 and South of Mt. View Station 115+16; and *Segment three (3)*: East of Marshall Boulevard Station 10+40; and Alternate bid item No. 1: USEPA South Plant Pipeline - Waterman Plant Improvements of the Newmark Drinking Water Restoration Superfund Project, San Bernardino, California in accordance with the Specifications.

Segments one through three, as defined above, will be equal to the lump sum base bid, prorated by the pipe length associated with that segment.

SCHEDULE OF PRICES: All prices quoted shall include all applicable sales taxes, State and/or Federal, any other special taxes, and full insurance paid by the Bidder to complete the Contract as specified in these Specifications.

BASE BID QUANTITIES: The lump sum base bid includes 100 sewer laterals, 25,000 Sq. Ft. of concrete removal 500 linear feet of unstable soil and 150 cubic yards of impounded backfill gravel. The base bid will be increased or decreased by the amount equal to the difference in quantity and cost for each item that deviates from the base bid amount.

UNIT PRICES: The undersigned bidder will accept, as adjustment to the Lump Sum Bid for quantities of Work different than indicated on the Plans, the amount resulting from applying to the differences the following unit prices.

It is understood that all add or deduct unit prices must be filled in and that all unit prices must be reasonable and are subject to the Owner's approval prior to award of the Contract.

ADD or DEDUCT UNIT PRICES NOT IN CONTRACT
All prices must be filled in.

WATER VALVES:

4" Gate Valve
6" Gate Valve
8" Gate Valve
12" Gate Valve
3" Butterfly Valve
24" Butterfly Valve
24" Butterfly Valve

UNIT PRICES:

\$ 400.00
\$ 500.00
\$ 600.00
\$ 1500.00
\$ 3500.00
\$ 3000.00
\$ 6000.00

ADD or DEDUCT UNIT PRICES NOT IN CONTRACT
Specification No. 1281, Continued

OFFSETS:

Offset Existing 4" Steel
Offset Existing 6" Steel
Offset Existing 8" Steel
Offset Existing 12" Steel
Offset Existing 16" Steel
Offset Existing 20" Steel
Offset Existing 4" C. I.
Offset Existing 6" C. I.
Offset Existing 8" C. I.
Offset Existing 12" C. I.
Offset Existing 16" C. I.
Offset Existing 20" C. I.
Offset Proposed 24" D. I. P.

UNIT PRICES:

\$ 300⁰⁰
\$ 400⁰⁰
\$ 450⁰⁰
\$ 4800⁰⁰
\$ 5000⁰⁰
\$ 5500⁰⁰
\$ 3500⁰⁰
\$ 4500⁰⁰
\$ 4800⁰⁰
\$ 5200⁰⁰
\$ 5500⁰⁰
\$ 6500⁰⁰
\$ 10,000⁰⁰

AIR VACUUM AND RELEASE VALVES:

1" Air Release Valve
2" Air Vacuum and Release Valve

\$ 3500⁰⁰
\$ 4000⁰⁰

CONCRETE REMOVAL / ASPHALT REPAIR:

Remove Existing Concrete
Underlayment (Per Square Foot)
Asphalt Repair (Per Square Foot)

\$ 1.00
\$ 0.25
\$ 1.00

BLOW OFF ASSEMBLY:

8" Blow Off Assembly

\$ 5500⁰⁰

RESTRAINED JOINTS:

12" PVC Restrainer Joint
16" Ductile Iron Restrained Joint
24" Ductile Iron Restrained Joint

\$ 500⁰⁰
\$ 750⁰⁰
\$ 1000⁰⁰

HOT TAPS:

12" Tap On 24" D.I.P.
12" Tap On 16" D.I.P.
8" Tap On 24" D.I.P.
8" Tap On 16" D.I.P.
8" Tap On 12" D.I.P.

\$ 1200⁰⁰
\$ 1000⁰⁰
\$ 750⁰⁰
\$ 750⁰⁰
\$ 750⁰⁰

THRUST BLOCKS:

Poured Concrete Thrust Block (Per Cubic Yard)

\$ 400⁰⁰

PIPE INSTALLATION

6" Ductile Iron Pipe (Per Foot)
8" Ductile iron Pipe (Per Foot)
12" Ductile Iron Pipe (Per Foot)
16" Ductile Iron Pipe (Per Foot)
24" Ductile Iron Pipe (Per Foot)

\$ 600⁰⁰
\$ 650⁰⁰
\$ 800⁰⁰
\$ 900⁰⁰
\$ 1000⁰⁰

SEWER LATERALS:

Repair/Replace Sewer Laterals

\$ 100⁰⁰

BACKFILL GRAVEL AND UNSTABLE TRENCH:

Imported Backfill Gravel (Per cubic yard)
Unstable Trench (per linear foot)

\$ 20⁰⁰
\$ 1⁰⁰

NOTE: ALL PRICES SHALL BE FOR A COMPLETELY INSTALLED PRODUCT INCLUDING LABOR, EQUIPMENT, OVERHEAD/PROFIT, TAXES/FEES, AND ANY OTHER CHARGES. MATERIAL SHALL BE NEGOTIATED BASED ON AVAILABILITY AND SBMWD STOCK.

“DO NOT INCLUDE ADD OR DEDUCT UNIT PRICES IN LUMP SUM BID”

6. BASE BID: \$ 486,486.00 (WRITTEN IN FIGURES)
FOUR HUNDRED EIGHTY SIX THOUSAND FOUR HUNDRED EIGHTY SIX. (WRITTEN IN WORDS)

7. ALTERNATE BID: \$ 46,750.00 (WRITTEN IN FIGURES)
FORTY SIX THOUSAND SEVEN HUNDRED FIFTY (WRITTEN IN WORDS)

8. CALENDAR DAYS TO COMPLETE CONTRACT AFTER NOTICE TO PROCEED HAS BEEN ISSUED BY THE OWNER: 120 CALENDAR.

9. LIST FEDERAL TAX I.D. NO.: 33-0530501

10. BASIS OF AWARD: The award will be made to the responsive, responsible Bidder submitting the most advantageous bid to the Owner. The award will be determined after review by the Owner and/or the Owner's representative and will be based on the technical and/or legal sufficiency of the bid submitted. The Owner reserves the right to reject any or all bids, in whole or in part, and to waive informality, irregularity, and nonconformity in the bids received when deemed advisable for the public good.

11. EXPERIENCE AND BUSINESS STANDING

A. Statement.

Each Bidder shall submit with his bid a statement setting forth his experience and business standing for three(3) years.

B. Each Bidder shall show that they have completed at least 15,000 feet of pipelines, over 15" in diameter and that they have constructed at least 10,000 feet of ductile iron pipeline in city streets.

C. The following is a statement of the undersigned Bidder's experience for three (3) years.

DATE	LOCATION	QUANTITY	CONTACT PERSON	PHONE #.
5/22/97	CITY OF SAN BERNARDINO	12,000 FT DIP	JAMES DYE	384-5391
11/96	CITY OF FONTANA	12,500 LF CM/C-24"	GREG BUCKNELL	350-7010
6/96	RUBIDON -	1500 LF 16" DIP	MIKE THORNTON - KTS	909-684-6900
2/96	RANCHO CALIF. WATER DIST. TEMECULA	6000 LF-24" CM/C	CRAIG MAPEL	909-676-4101
6/95	RUBIDON	5000 LF 24" CM/C	STEVE APPEL	909-684-7580

12. **FIELD INSPECTION OF SITE** - The Bidder certifies that he/she has conducted a prebid site inspection prior to submitting this bid proposal.

DATE OF SITE INSPECTION: 11/18/97 BY: BRIAN ESHLEMAN

WATER DEPARTMENT REPRESENTATIVE PRESENT DURING SITE INSPECTION:

TOM VALDEZ

(Name of Water Department Employee)

13. **ADDENDA**

Bidder acknowledges receipt of the following addendum (addenda):

(BIDDER'S INITIALS)

14. **BIDDER**

The name of the Bidder submitting this proposal is:

TRAUTWEIN CONSTRUCTION

whose address is 14046 SANTA ANA AVE. FONTANA CA 92337
Street City State Zip Code

and whose telephone number is 909 829-8250

15. LUMP SUM BID (BASE BID) \$ 486,486.00 Four hundred eighty six thousand four hundred eighty six
(in figures) (in words)

16. SIGNATURE OF BIDDER: Mark Trautwein

17. PRINT OR TYPE NAME OF BIDDER: MARK TRAUTWEIN

18. COMPANY NAME: TRAUTWEIN CONSTRUCTION

13

CHANGE ORDER NO. 1
ITEM NO.13 BREAKDOWN

Title: Additional 10 feet of 24" DIP to provide better interface with the bridge contractor.

Description: There were 10 extra feet of 24" DIP required to make a smooth transition for the connection to the bridge contractor.

Reason: The field inspector made a judgment that there was 10 extra feet required to make a problem-free transition to the bridge contractor's work at the crosstown freeway bridge. The contractor provided a unit price in the bid documents of \$ 100.00 per foot of 24" pipe. (10 feet @ \$ 100.00 per foot)

Prior Approval: Work authorized by inspector

**Contractor's
Proposed Cost:** \$ 100.00 per foot bid price

**Negotiated
Total Cost:** \$ 1,000.00

Time Extension: 0 Days

WORK COMPLETED

TOTAL

BILLING SEGMENT #2 -

STA. 80+00 TO 98+40
STA. 112+20 TO 115+16

\$212,192.63

1. SEWER LATERALS
2. CONCRETE REMOVAL
3. UNSTABLE SOIL
4. IMPORTED BACKFILL GRAVEL

NONE

STA. 80+00 TO 80+83

1,859 SF

NONE

NONE

DEDUCTIONS:

ASPHALT CAP

9,600 SF @ .25

NOW COMPLETE

2,400.00

ADDITIONS:

2" AIR RELEASE VALVE

8" BLOW OFF ASSEMBLY

24" DUCTILE IRON PIPE

8 FT @ 100.00 PER FT. (END LAY @ STA. 98+48)
2 FT @ 100.00 PER FT. (BEGIN LAY @ STA. 112+18)

800.00

200.00

SUBTOTAL BILLING SEGMENT #2 -

INVOICE #2
INVOICE #3

210,792.63

2,400.00

BID PROPOSAL
Specification No. 1281

THOMAS A. VALDEZ
CITY OF SAN BERNARDINO MUNICIPAL WATER DEPARTMENT
195 NORTH "D" STREET, SAN BERNARDINO, CA 92402

FURNISH ALL LABOR, EQUIPMENT, AND MATERIALS REQUIRED FOR PHASE II, SOUTH PLANT, RAW WATER TRANSMISSION PIPELINE CONSISTING OF 24" DUCTILE IRON PIPE AND ASSOCIATED APPURTENANCES FOR THE NEWMARK DRINKING WATER RESTORATION SUPERFUND PROJECT NO. 5272, SAN BERNARDINO, CALIFORNIA

UNDERSIGNED, AS BIDDER, HEREBY AGREES AND DECLARES THAT:

OFFER IRREVOCABLE FOR SIXTY DAYS: Proposals delivered to the Owner at the time set for opening of bids shall be irrevocable, and may not be withdrawn for a period of sixty (60) days after the date set for the opening of bids.

CONSTRUCTION: (Except that the Owner shall provide the materials listed in the Information to Bidders under "Owner Supplied Materials") the Contractor will furnish all labor, equipment, and materials required for a Raw Water Transmission Pipeline consisting of 24" Ductile Iron Pipe and associated appurtenances for, *Segment one (1)*: North of Mt. View Avenue Station 60+63 and South of Mt. View Station 60+00; and *Segment two (2)*: North of Mt. View Station 80+00 and South of Mt. View Station 115+16; and *Segment three (3)*: East of Marshall Boulevard Station 10+40; and Alternate bid item No. 1: USEPA South Plant Pipeline - Waterman Plant Improvements of the Newmark Drinking Water Restoration Superfund Project, San Bernardino, California in accordance with the Specifications.

Segments one through three, as defined above, will be equal to the lump sum base bid, prorated by the pipe length associated with that segment.

SCHEDULE OF PRICES: All prices quoted shall include all applicable sales taxes, State and/or Federal, any other special taxes, and full insurance paid by the Bidder to complete the Contract as specified in these Specifications.

BASE BID QUANTITIES: The lump sum base bid includes 100 sewer laterals, 25,000 Sq. Ft. of concrete removal 500 linear feet of unstable soil and 150 cubic yards of impounded backfill gravel. The base bid will be increased or decreased by the amount equal to the difference in quantity and cost for each item that deviates from the base bid amount.

UNIT PRICES: The undersigned bidder will accept, as adjustment to the Lump Sum Bid for quantities of Work different than indicated on the Plans, the amount resulting from applying to the differences the following unit prices.

It is understood that all add or deduct unit prices must be filled in and that all unit prices must be reasonable and are subject to the Owner's approval prior to award of the Contract.

ADD or DEDUCT UNIT PRICES NOT IN CONTRACT

All prices must be filled in.

WATER VALVES:

4" Gate Valve
6" Gate Valve
8" Gate Valve
12" Gate Valve
Butterfly Valve
24" Butterfly Valve
24" Butterfly Valve

UNIT PRICES:

\$ 400.00
\$ 500.00
\$ 620.00
\$ 1500.00
\$ 3500.00
\$ 5000.00
\$ 6000.00

ADD or DEDUCT UNIT PRICES NOT IN CONTRACT
Specification No. 1281, Continued

OFFSETS:

Offset Existing 4" Steel
 Offset Existing 6" Steel
 Offset Existing 8" Steel
 Offset Existing 12" Steel
 Offset Existing 16" Steel
 Offset Existing 20" Steel
 Offset Existing 4" C. I.
 Offset Existing 6" C. I.
 Offset Existing 8" C. I.
 Offset Existing 12" C. I.
 Offset Existing 16" C. I.
 Offset Existing 20" C. I.
 Offset Proposed 24" D. I. P.

UNIT PRICES:

\$ 300⁰⁰
 \$ 400⁰⁰
 \$ 450⁰⁰
 \$ 480⁰⁰
 \$ 500⁰⁰
 \$ 550⁰⁰
 \$ 350⁰⁰
 \$ 450⁰⁰
 \$ 480⁰⁰
 \$ 500⁰⁰
 \$ 550⁰⁰
 \$ 650⁰⁰
 \$ 19,000⁰⁰

AIR VACUUM AND RELEASE VALVES:

1" Air Release Valve
 2" Air Vacuum and Release Valve

\$ 350⁰⁰
 \$ 400⁰⁰

CONCRETE REMOVAL / ASPHALT REPAIR:

Remove Existing Concrete
 Underlayment (Per Square Foot)
 - Asphalt Repair (Per Square Foot)

\$ 1.00
 \$ 0.25
 \$ 1.00

BLOW OFF ASSEMBLY:

8" Blow Off Assembly

\$ 550⁰⁰

RESTRAINED JOINTS:

12" PVC Restrainer Joint
 16" Ductile Iron Restrained Joint
 24" Ductile Iron Restrained Joint

\$ 500⁰⁰
 \$ 750⁰⁰
 \$ 1000⁰⁰

HOT TAPS:

12" Tap On 24" D.I.P.
 12" Tap On 16" D.I.P.
 8" Tap On 24" D.I.P.
 8" Tap On 16" D.I.P.
 8" Tap On 12" D.I.P.

\$ 1,200⁰⁰
 \$ 1,000⁰⁰
 \$ 750⁰⁰
 \$ 750⁰⁰
 \$ 750⁰⁰

THRUST BLOCKS:

Poured Concrete Thrust Block (Per Cubic Yard)

\$ 400⁰⁰

PIPE INSTALLATION

6" Ductile Iron Pipe (Per Foot)
 8" Ductile iron Pipe (Per Foot)
 12" Ductile Iron Pipe (Per Foot)
 16" Ductile Iron Pipe (Per Foot)
 24" Ductile Iron Pipe (Per Foot)

\$ 600⁰⁰
 \$ 650⁰⁰
 \$ 800⁰⁰
 \$ 900⁰⁰
 \$ 1,000⁰⁰

SEWER LATERALS:

Repair/Replace Sewer Laterals

\$ 100⁰⁰

BACKFILL GRAVEL AND UNSTABLE TRENCH:

Imported Backfill Gravel (Per cubic yard)
 Unstable Trench (per linear foot)

\$ 20⁰⁰
 \$ 1⁰⁰

NOTE: ALL PRICES SHALL BE FOR A COMPLETELY INSTALLED PRODUCT INCLUDING LABOR, EQUIPMENT, OVERHEAD/PROFIT, TAXES/FEES, AND ANY OTHER CHARGES. MATERIAL SHALL BE NEGOTIATED BASED ON AVAILABILITY AND SBMWD STOCK.

DO NOT INCLUDE ADD OR DEDUCT UNIT PRICES IN LUMP SUM BID

6. BASE BID: \$ 486,486.00 (WRITTEN IN FIGURES)
FOUR HUNDRED EIGHTY SIX THOUSAND FOUR HUNDRED EIGHTY SIX. (WRITTEN IN WORDS)

7. ALTERNATE BID: \$ 46,750.00 (WRITTEN IN FIGURES)
FORTY SIX THOUSAND SEVEN HUNDRED FIFTY. (WRITTEN IN WORDS)

8. CALENDAR DAYS TO COMPLETE CONTRACT AFTER NOTICE TO PROCEED HAS BEEN ISSUED BY THE OWNER: 120 calendar.

9. LIST FEDERAL TAX I.D. NO.: 33-0530501

10. BASIS OF AWARD: The award will be made to the responsive, responsible Bidder submitting the most advantageous bid to the Owner. The award will be determined after review by the Owner and/or the Owner's representative and will be based on the technical and/or legal sufficiency of the bid submitted. The Owner reserves the right to reject any or all bids, in whole or in part, and to waive informality, irregularity, and nonconformity in the bids received when deemed advisable for the public good.

11. EXPERIENCE AND BUSINESS STANDING

A. Statement.

Each Bidder shall submit with his bid a statement setting forth his experience and business standing for three(3) years.

B. Each Bidder shall show that they have completed at least 15,000 feet of pipelines, over 15" in diameter and that they have constructed at least 10,000 feet of ductile iron pipeline in city streets.

C. The following is a statement of the undersigned Bidder's experience for three (3) years.

DATE	LOCATION	QUANTITY	CONTACT PERSON	PHONE#.
5/22/97	CITY OF SAN BERNARDINO	12,000 FT DIP	JAMES DINE	384-5391
11/96	CITY OF FONTANA	12,500 LF CML/C-LIN	GREG BUCKWELL	350-7610
6/96	RUBIDON -	1500 LF 16" DIP	MIKE THORNTON - KIS	-909-684-6908
2/96	RANCHO CALIF. WATER DIST. TEMECULA	6000 LF-24" CML/C	CRAIG MAPES	909-676-4101
6/95	RUBIDON	5000 LF 24" CML/C	STEVE APPEL	909-684-7580

12. FIELD INSPECTION OF SITE - The Bidder certifies that he/she has conducted a prebid site inspection prior to submitting this bid proposal.

DATE OF SITE INSPECTION: 11/18/97 BY: BRIAN ESHLEMAN

WATER DEPARTMENT REPRESENTATIVE PRESENT DURING SITE INSPECTION:

TOM VALDEZ

(Name of Water Department Employee)

13. ADDENDA

Bidder acknowledges receipt of the following addendum (addenda):

(BIDDER'S INITIALS)

14. BIDDER

The name of the Bidder submitting this proposal is:

TRAUTWEIN CONSTRUCTION

whose address is 14046 SANTA ANA AVE. FONTANA CA 92337
Street City State Zip Code

and whose telephone number is 909 829-8250

15. LUMP SUM BID (BASE BID) \$ 480,480.00 four hundred eighty thousand four hundred eighty
(in figures) (in words) five

16. SIGNATURE OF BIDDER: Mark Trautwein

17. PRINT OR TYPE NAME OF BIDDER: MARK TRAUTWEIN

18. COMPANY NAME: TRAUTWEIN CONSTRUCTION

14

CHANGE ORDER NO. 1
ITEM NO. 14 BREAKDOWN

Title: Additional 2" Air Vacuum and Release Valve for a local high point.

Description: A 2" Air Vacuum and Release Valve (Air Valve) was required to bleed of air at a local high point during line operation.

Reason: Because of existing utilities crossing the alignment there was a localized high point in the line that was not on the design drawings. This was a decision made in the field by SBMWD and URSG. The localized high point requires an Air Valve to avoid line restrictions. The Air Valve is a bid item in the base bid. (One Air Valve @ \$ 4,000.00 each)

Prior Approval: Work was authorized by Engineer

**Contractor's
Proposed Cost:** \$ 4,000.00 each bid price

**Negotiated
Total Cost:** \$ 4,000.00

Time Extension: 0 Days

WORK COMPLETED

TOTAL

BILLING SEGMENT #3

(MARSHAL - \$157,394.30)
(ALTERNATE SCHEDULE - \$46,750.00)

157,394.30
46,750.00

1. SEWER LATERALS	LATERALS REPLACED / REPAIRED	50 EA
2. CONCRETE REMOVAL	MARSHAL - INTERSECTION OF SIERRA WAY	600 SF
3. UNSTABLE SOIL	NONE	
4. IMPORTED BACKFILL GRAVEL	NONE	

DEDUCTIONS:

NONE

ADDITIONS:

2" AIR RELEASE VALVE

4,000.00

24" DUCTILE IRON PIPE OFFSET

10,000.00

SUBTOTAL BILLING SEGMENT #3

INVOICE #3

218,144.30

BID PROPOSAL
Specification No. 1281

THOMAS A. VALDEZ
CITY OF SAN BERNARDINO MUNICIPAL WATER DEPARTMENT
195 NORTH "D" STREET, SAN BERNARDINO, CA 92402

FURNISH ALL LABOR, EQUIPMENT, AND MATERIALS REQUIRED FOR PHASE II, SOUTH PLANT, RAW WATER TRANSMISSION PIPELINE CONSISTING OF 24" DUCTILE IRON PIPE AND ASSOCIATED APPURTENANCES FOR THE NEWMARK DRINKING WATER RESTORATION SUPERFUND PROJECT NO. 5272, SAN BERNARDINO, CALIFORNIA

UNDERSIGNED, AS BIDDER, HEREBY AGREES AND DECLARES THAT:

POSAL IRREVOCABLE FOR SIXTY DAYS: Proposals delivered to the Owner at the time set for opening of shall be irrevocable, and may not be withdrawn for a period of sixty (60) days after the date set for the opening s.

CONSTRUCTION: (Except that the Owner shall provide the materials listed in the Information to bidders under "Owner Supplied Materials") the Contractor will furnish all labor, equipment, and materials required for a Raw Water Transmission Pipeline consisting of 24" Ductile Iron Pipe and associated appurtenances for, *Segment one (1)*: North of Mt. View Avenue Station 60+63 and South of Mt. View Station 10+00; and *Segment two (2)*: North of Mt. View Station 80+00 and South of Mt. View Station 115+16; and *Segment three (3)*: East of Marshall Boulevard Station 10+40; and Alternate bid item No. 1: USEPA South Plant Pipeline - Waterman Plant Improvements of the Newmark Drinking Water Restoration Superfund Project, San Bernardino, California in accordance with the Specifications.

Segments one through three, as defined above, will be equal to the lump sum base bid, prorated by the pipe length associated with that segment.

SCHEDULE OF PRICES: All prices quoted shall include all applicable sales taxes, State and/or Federal, any other special taxes, and full insurance paid by the Bidder to complete the Contract as specified in these Specifications.

BASE BID QUANTITIES: The lump sum base bid includes 100 sewer laterals, 25,000 Sq. Ft. of concrete removal 500 linear feet of unstable soil and 150 cubic yards of impounded backfill gravel. The base bid will be increased or decreased by the amount equal to the difference in quantity and cost for each item that deviates from the base bid amount.

UNIT PRICES: The undersigned bidder will accept, as adjustment to the Lump Sum Bid for quantities of Work different than indicated on the Plans, the amount resulting from applying to the differences the following unit prices.

It is understood that all add or deduct unit prices must be filled in and that all prices must be reasonable and are subject to the Owner's approval prior to award of the Contract.

ADD or DEDUCT UNIT PRICES NOT IN CONTRACT
All prices must be filled in.

WATER VALVES:

4" Gate Valve
6" Gate Valve
8" Gate Valve
12" Gate Valve
Butterfly Valve
24" Butterfly Valve
24" Butterfly Valve

UNIT PRICES:

\$ 400⁰⁰
\$ 500⁰⁰
\$ 620⁰⁰
\$ 1500⁰⁰
\$ 3500⁰⁰
\$ 8000⁰⁰
\$ 6000⁰⁰

ADD or DEDUCT UNIT PRICES NOT IN CONTRACT
Specification No. 1281, Continued

OFFSETS:

Offset Existing	4" Steel
Offset Existing	6" Steel
Offset Existing	8" Steel
Offset Existing	12" Steel
Offset Existing	16" Steel
Offset Existing	20" Steel
Offset Existing	4" C. I.
Offset Existing	6" C. I.
Offset Existing	8" C. I.
Offset Existing	12" C. I.
Offset Existing	16" C. I.
Offset Existing	20" C. I.
Offset Proposed	24" D. I. P.

UNIT PRICES:

\$	<u>3000⁰⁰</u>
\$	<u>4000⁰⁰</u>
\$	<u>4500⁰⁰</u>
\$	<u>4800⁰⁰</u>
\$	<u>5000⁰⁰</u>
\$	<u>5500⁰⁰</u>
\$	<u>3500⁰⁰</u>
\$	<u>4500⁰⁰</u>
\$	<u>4800⁰⁰</u>
\$	<u>5000⁰⁰</u>
\$	<u>5500⁰⁰</u>
\$	<u>6500⁰⁰</u>
\$	<u>19,000⁰⁰</u>

AIR VACUUM AND RELEASE VALVES:

1" Air Release Valve
2" Air Vacuum and Release Valve

\$	<u>3500⁰⁰</u>
\$	<u>4000⁰⁰</u>

CONCRETE REMOVAL / ASPHALT REPAIR:

Remove Existing Concrete
Underlayment (Per Square Foot)
Asphalt Repair (Per Square Foot)

\$	<u>1.00</u>
\$	<u>0.25</u>
\$	<u>1.00</u>

BLOW OFF ASSEMBLY:

8" Blow Off Assembly

\$	<u>5500⁰⁰</u>
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RESTRAINED JOINTS:

12" PVC Restrainer Joint
16" Ductile Iron Restrained Joint
24" Ductile Iron Restrained Joint

\$	<u>500⁰⁰</u>
\$	<u>750⁰⁰</u>
\$	<u>1000⁰⁰</u>

HOT TAPS:

12" Tap On 24" D.I.P.
12" Tap On 16" D.I.P.
8" Tap On 24" D.I.P.
8" Tap On 16" D.I.P.
8" Tap On 12" D.I.P.

\$	<u>1,200⁰⁰</u>
\$	<u>1,000⁰⁰</u>
\$	<u>750⁰⁰</u>
\$	<u>750⁰⁰</u>
\$	<u>750⁰⁰</u>

THRUST BLOCKS:

Poured Concrete Thrust Block (Per Cubic Yard)

\$	<u>400⁰⁰</u>
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PIPE INSTALLATION

6" Ductile Iron Pipe (Per Foot)
8" Ductile Iron Pipe (Per Foot)
12" Ductile Iron Pipe (Per Foot)
16" Ductile Iron Pipe (Per Foot)
24" Ductile Iron Pipe (Per Foot)

\$	<u>160⁰⁰</u>
\$	<u>65⁰⁰</u>
\$	<u>80⁰⁰</u>
\$	<u>90⁰⁰</u>
\$	<u>100⁰⁰</u>

SEWER LATERALS:

Repair/Replace Sewer Laterals

\$	<u>100⁰⁰</u>
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BACKFILL GRAVEL AND UNSTABLE TRENCH:

Imported Backfill Gravel (Per cubic yard)
Unstable Trench (per linear foot)

\$	<u>20⁰⁰</u>
\$	<u>1⁰⁰</u>

NOTE: ALL PRICES SHALL BE FOR A COMPLETELY INSTALLED PRODUCT INCLUDING LABOR, EQUIPMENT, OVERHEAD/PROFIT, TAXES/FEES, AND ANY OTHER CHARGES. MATERIAL SHALL BE NEGOTIATED BASED ON AVAILABILITY AND SBMWD STOCK.

****DO NOT INCLUDE ADD OR DEDUCT UNIT PRICES IN LUMP SUM BID ****

6. BASE BID: \$ 486,486.00 (WRITTEN IN FIGURES)
FOUR HUNDRED EIGHTY SIX THOUSAND
FOUR HUNDRED EIGHTY SIX. (WRITTEN IN WORDS)

7. ALTERNATE BID: \$ 461,750.00 (WRITTEN IN FIGURES)
FOURTY SIX THOUSAND SEVEN HUNDRED FIFTY
THOUSAND (WRITTEN IN WORDS)

8. CALENDAR DAYS TO COMPLETE CONTRACT AFTER NOTICE TO PROCEED HAS BEEN ISSUED BY THE OWNER: 120 CALENDAR

9. LIST FEDERAL TAX I.D. NO.: 33-0530501

10. BASIS OF AWARD: The award will be made to the responsive, responsible Bidder submitting the most advantageous bid to the Owner. The award will be determined after review by the Owner and/or the Owner's representative and will be based on the technical and/or legal sufficiency of the bid submitted. The Owner reserves the right to reject any or all bids, in whole or in part, and to waive informality, irregularity, and nonconformity in the bids received when deemed advisable for the public good.

11. EXPERIENCE AND BUSINESS STANDING

A. Statement.

Each Bidder shall submit with his bid a statement setting forth his experience and business standing for three(3) years.

B. Each Bidder shall show that they have completed at least 15,000 feet of pipelines, over 15" in diameter and that they have constructed at least 10,000 feet of ductile iron pipeline in city streets.

C. The following is a statement of the undersigned Bidder's experience for three (3) years.

DATE	LOCATION	QUANTITY	CONTACT PERSON	PHONE #.
5/22/97	CITY OF SAN BERNARDINO	12,000 FT DIP	JAMES DYE	384-5391
11/96	CITY OF FONTANA	12,500 LF CML/C-LW*	GREG BUCKWELL	350-7010
6/96	RUBIDOUX	1,500 LF 16" DIP	MIKE THORNTON - RLS	909-684-6900
2/96	RANCHO CALIF. WATER DIST. TAMECULA	6,000 LF-24" CML/C	CRAIG MAPEL	909-676-4101
6/95	RUBIDOUX	5,000 LF 24" CML/C	STEVE APPEL	909-684-7580

12. **FIELD INSPECTION OF SITE** - The Bidder certifies that he/she has conducted a prebid site inspection prior to submitting this bid proposal.

DATE OF SITE INSPECTION: 11/18/97 BY: BRIAN ESHLEMAN

WATER DEPARTMENT REPRESENTATIVE PRESENT DURING SITE INSPECTION:

TOM VALDEZ

(Name of Water Department Employee)

13. **ADDENDA**

Bidder acknowledges receipt of the following addendum (addenda):

(BIDDER'S INITIALS)

14. **BIDDER**

The name of the Bidder submitting this proposal is:

TRAUTWEIN CONSTRUCTION

(Please print or type)

whose address is 14046 SANTA ANA AVE. FONTANA CA 92337
Street City State Zip Code

and whose telephone number is 909 829-8250

15. LUMP SUM BID (BASE BID) \$ 486,486.00 Four hundred eighty six thousand four hundred eighty six
(in figures) (in words)

16. SIGNATURE OF BIDDER: Mark Trautwein

17. PRINT OR TYPE NAME OF BIDDER: MARK TRAUTWEIN

18. COMPANY NAME: TRAUTWEIN CONSTRUCTION

15

**CHANGE ORDER NO. 1
ITEM NO. 15 BREAKDOWN**

Title: Additional 24" DIP offset

Description: A 24" offset was required to avoid existing utilities in the pipeline alignment. A 24" offset is a bid item.

Reason: Because of existing utilities crossing the alignment there was an offset constructed in the 24" pipeline that was not on the design drawings. This was a decision made in the field by SBMWD and URSG. The offset is a bid item in the base bid. (One 24" pipe offset @ \$ 10,000.00 each)

Prior Approval: Work was authorized by Engineer

**Contractor's
Proposed Cost:** \$ 10,000.00 each bid price

**Negotiated
Total Cost:** \$ 10,000.00

Time Extension: 0 Days

WORK COMPLETED

TOTAL

BILLING SEGMENT #3

(MARSHAL - \$157,394.30)
(ALTERNATE SCHEDULE - \$46,750.00)

157,394.30
46,750.00

1. SEWER LATERALS

LATERALS REPLACED / REPAIRED

50 EA

2. CONCRETE REMOVAL

MARSHAL - INTERSECTION OF SIERRA WAY

600 SF

3. UNSTABLE SOIL

NONE

4. IMPORTED BACKFILL GRAVEL

NONE

DEDUCTIONS:

NONE

ADDITIONS:

2" AIR RELEASE VALVE

4,000.00

24" DUCTILE IRON PIPE OFFSET

10,000.00

SUBTOTAL BILLING SEGMENT #3

INVOICE #3

218,144.30

BID PROPOSAL
Specification No. 1281

THOMAS A. VALDEZ
CITY OF SAN BERNARDINO MUNICIPAL WATER DEPARTMENT
195 NORTH "D" STREET, SAN BERNARDINO, CA 92402

FURNISH ALL LABOR, EQUIPMENT, AND MATERIALS REQUIRED FOR PHASE II, SOUTH PLANT, RAW WATER TRANSMISSION PIPELINE CONSISTING OF 24" DUCTILE IRON PIPE AND ASSOCIATED APPURTENANCES FOR THE NEWMARK DRINKING WATER RESTORATION SUPERFUND PROJECT NO. 5272, SAN BERNARDINO, CALIFORNIA

UNDERSIGNED, AS BIDDER, HEREBY AGREES AND DECLARES THAT:

PROPOSAL IRREVOCABLE FOR SIXTY DAYS: Proposals delivered to the Owner at the time set for opening of bids shall be irrevocable, and may not be withdrawn for a period of sixty (60) days after the date set for the opening of bids.

CONSTRUCTION: (Except that the Owner shall provide the materials listed in the Information to Bidders under "Owner Supplied Materials") the Contractor will furnish all labor, equipment, and materials required for a Raw Water Transmission Pipeline consisting of 24" Ductile Iron Pipe and associated appurtenances for, *Segment one (1)*: North of Mt. View Avenue Station 60+63 and South of Mt. View Station 30+00; and *Segment two (2)*: North of Mt. View Station 80+00 and South of Mt. View Station 115+16; and *Segment three (3)*: East of Marshall Boulevard Station 10+40; and Alternate bid item No. 1: USEPA South Plant Pipeline - Waterman Plant Improvements of the Newmark Drinking Water Restoration Superfund Project, San Bernardino, California in accordance with the Specifications.

Segments one through three, as defined above, will be equal to the lump sum base bid, prorated by the pipe length associated with that segment.

SCHEDULE OF PRICES: All prices quoted shall include all applicable sales taxes, State and/or Federal, any other special taxes, and full insurance paid by the Bidder to complete the Contract as specified in these Specifications.

BASE BID QUANTITIES: The lump sum base bid includes 100 sewer laterals, 25,000 Sq. Ft. of concrete removal 500 linear feet of unstable soil and 150 cubic yards of impounded backfill gravel. The base bid will be increased or decreased by the amount equal to the difference in quantity and cost for each item that deviates from the base bid amount.

UNIT PRICES: The undersigned bidder will accept, as adjustment to the Lump Sum Bid for quantities of Work different than indicated on the Plans, the amount resulting from applying to the differences the following unit prices.

It is understood that all add or deduct unit prices must be filled in and that all unit prices must be reasonable and are subject to the Owner's approval prior to award of the Contract.

ADD or DEDUCT UNIT PRICES NOT IN CONTRACT

All prices must be filled in.

WATER VALVES:

4" Gate Valve
6" Gate Valve
8" Gate Valve
Gate Valve
Butterfly Valve
24" Butterfly Valve
24" Butterfly Valve

UNIT PRICES:

\$ 400.00
\$ 500.00
\$ 620.00
\$ 1500.00
\$ 3500.00
\$ 3000.00
\$ 6000.00

ADD or DEDUCT UNIT PRICES NOT IN CONTRACT
Specification No. 1281, Continued

OFFSETS:

Offset Existing	4" Steel
Offset Existing	6" Steel
Offset Existing	8" Steel
Offset Existing	12" Steel
Offset Existing	16" Steel
Offset Existing	20" Steel
Offset Existing	4" C. I.
Offset Existing	6" C. I.
Offset Existing	8" C. I.
Offset Existing	12" C. I.
Offset Existing	16" C. I.
Offset Existing	20" C. I.
Offset Proposed	24" D. I. P.

UNIT PRICES:

\$	<u>300⁰⁰</u>
\$	<u>400⁰⁰</u>
\$	<u>450⁰⁰</u>
\$	<u>480⁰⁰</u>
\$	<u>500⁰⁰</u>
\$	<u>550⁰⁰</u>
\$	<u>550⁰⁰</u>
\$	<u>450⁰⁰</u>
\$	<u>480⁰⁰</u>
\$	<u>500⁰⁰</u>
\$	<u>550⁰⁰</u>
\$	<u>650⁰⁰</u>
\$	<u>10,000⁰⁰</u>

AIR VACUUM AND RELEASE VALVES:

1" Air Release Valve
2" Air Vacuum and Release Valve

\$	<u>350⁰⁰</u>
\$	<u>400⁰⁰</u>

CONCRETE REMOVAL / ASPHALT REPAIR:

Remove Existing Concrete
Underlayment (Per Square Foot)
Asphalt Repair (Per Square Foot)

\$	<u>1.00</u>
\$	<u>0.25</u>
\$	<u>1.00</u>

BLOW OFF ASSEMBLY:

8" Blow Off Assembly

\$	<u>550⁰⁰</u>
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RESTRAINED JOINTS:

12" PVC Restrainer Joint
16" Ductile Iron Restrained Joint
24" Ductile Iron Restrained Joint

\$	<u>500⁰⁰</u>
\$	<u>750⁰⁰</u>
\$	<u>1000⁰⁰</u>

HOT TAPS:

12" Tap On 24" D.I.P.
12" Tap On 16" D.I.P.
8" Tap On 24" D.I.P.
8" Tap On 16" D.I.P.
8" Tap On 12" D.I.P.

\$	<u>1,200⁰⁰</u>
\$	<u>1,000⁰⁰</u>
\$	<u>750⁰⁰</u>
\$	<u>750⁰⁰</u>
\$	<u>750⁰⁰</u>

THRUST BLOCKS:

Poured Concrete Thrust Block (Per Cubic Yard)

\$	<u>400⁰⁰</u>
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PIPE INSTALLATION

6" Ductile Iron Pipe (Per Foot)
8" Ductile Iron Pipe (Per Foot)
12" Ductile Iron Pipe (Per Foot)
16" Ductile Iron Pipe (Per Foot)
24" Ductile Iron Pipe (Per Foot)

\$	<u>160⁰⁰</u>
\$	<u>65⁰⁰</u>
\$	<u>80⁰⁰</u>
\$	<u>90⁰⁰</u>
\$	<u>100⁰⁰</u>

SEWER LATERALS:

Repair/Replace Sewer Laterals

\$	<u>100⁰⁰</u>
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BACKFILL GRAVEL AND UNSTABLE TRENCH:

Imported Backfill Gravel (Per cubic yard)
Unstable Trench (per linear foot)

\$	<u>20⁰⁰</u>
\$	<u>1⁰⁰</u>

NOTE: ALL PRICES SHALL BE FOR A COMPLETELY INSTALLED PRODUCT INCLUDING LABOR, EQUIPMENT, OVERHEAD/PROFIT, TAXES/FEES, AND ANY OTHER CHARGES. MATERIAL SHALL BE NEGOTIATED BASED ON AVAILABILITY AND SBMWD STOCK.

****DO NOT INCLUDE ADD OR DEDUCT UNIT PRICES IN LUMP SUM BID****

6. BASE BID: \$ 406,486.75 (WRITTEN IN FIGURES)
FOUR HUNDRED EIGHTY SIX THOUSAND FOUR HUNDRED EIGHTY SIX. (WRITTEN IN WORDS)

7. ALTERNATE BID: \$ 461,750.00 (WRITTEN IN FIGURES)
FOURTY SIX THOUSAND SEVEN HUNDRED FIFTY (WRITTEN IN WORDS)

8. CALENDAR DAYS TO COMPLETE CONTRACT AFTER NOTICE TO PROCEED HAS BEEN ISSUED BY THE OWNER: 120 calendar

9. LIST FEDERAL TAX I.D. NO.: 33-0530501

10. BASIS OF AWARD: The award will be made to the responsive, responsible Bidder submitting the most advantageous bid to the Owner. The award will be determined after review by the Owner and/or the Owner's representative and will be based on the technical and/or legal sufficiency of the bid submitted. The Owner reserves the right to reject any or all bids, in whole or in part, and to waive informality, irregularity, and nonconformity in the bids received when deemed advisable for the public good.

11. EXPERIENCE AND BUSINESS STANDING

A. Statement

Each Bidder shall submit with his bid a statement setting forth his experience and business standing for three(3) years.

B. Each Bidder shall show that they have completed at least 15,000 feet of pipelines, over 15" in diameter and that they have constructed at least 10,000 feet of ductile iron pipeline in city streets.

C. The following is a statement of the undersigned Bidder's experience for three (3) years.

DATE	LOCATION	QUANTITY	CONTACT PERSON	PHONE #
5/22/97	CITY OF SAN BERNARDINO	12,000 FT DIP	JAMES TAYE	384-5391
11/96	CITY OF FONTANA	12,500 LF CM/C-18"	GREG BUCKWELL	351-7610
6/96	RUBIDON - 1500 LF 16" DIP	MIKE THORNTON - RFS	- 909-684-6900	
2/96	RANCHO CALIF. WATER DIST. TEMECULA	6000 LF-24" CM/C	CRIG MAPEL	909-676-4101
6/95	RUBIDON	5000 LF 24" CM/C	STEVE APPEL	909-684-7580

12. **FIELD INSPECTION OF SITE** - The Bidder certifies that he/she has conducted a prebid site inspection prior to submitting this bid proposal.

DATE OF SITE INSPECTION: 11/18/97 BY: BRIAN ESHLEMAN

WATER DEPARTMENT REPRESENTATIVE PRESENT DURING SITE INSPECTION:

TOM VALDEZ
(Name of Water Department Employee)

13. **ADDENDA**

Bidder acknowledges receipt of the following addendum (addenda):

(BIDDER'S INITIALS)

14. **BIDDER**

The name of the Bidder submitting this proposal is:

TRAUTWEIN CONSTRUCTION

whose address is 14046 SANTA ANA AVE. FONTANA CA 92337
Street City State Zip Code

and whose telephone number is 909 829-8250

15. LUMP SUM BID (BASE BID) \$ 486,486.00 Four hundred eighty six thousand four hundred eighty six
(in figures) (in words)

16. SIGNATURE OF BIDDER: [Signature]

17. PRINT OR TYPE NAME OF BIDDER: MARK TRAUTWEIN

18. COMPANY NAME: TRAUTWEIN CONSTRUCTION

C.O. #8273 - USEPA Funded Newmark -
Spec. 1267, South
Plant Phase I
Trautwein Construction
(Change Orders/
Contract)

(Cross-Reference EPN 95-052)

CITY OF SAN BERNARDINO MUNICIPAL WATER DEPARTMENT

BOARD OF WATER COMMISSIONERS

President
HAROLD W. WILLIS

Commissioners
B. WARREN COCKE
ALTON L. GARRETT, JR.
JUDY L. REDEKER
JAMES H. URATA



BERNARD C. KERSEY
General Manager
JOSEPH F. STEJSKAL
Director: Engineering
Construction-Maintenance
JOHN A. PERRY, P.E.
Director: Water Reclamation
PAUL E. HARMON
Director of Finance
MARJORIE A. HOVERLAND
Director of
Administrative Services
JON K. TURNIPSEED
Safety Program Manager

August 18, 1997

Mr. Mark Trautwein
Trautwein Construction
14046 Santa Fe Avenue
Fontana, CA 92337



AUG 20 1997

CITY OF SAN BERNARDINO
MUNICIPAL WATER DEPT

Reference: CHANGE ORDER NO. 3 TO CONTRACT NO. 1267

Dear Mr. Trautwein:

Enclosed please find two fully executed copies of Change Order No. 3 to Contract No. 1267; please retain one copy and forward the other copy to your bonding company. A copy of the Notice of Completion and a check for the 10% retention in the amount of \$62,980.78 is also enclosed.

Sincerely,

Paul E. Harmon
Director of Finance

als
Enclosures

cc: Joe Stejskal
Tom Valdez
James Dye
Roy Herzig, USEPA
Dwayne Deutscher, URS

CONTRACT NO. 1267
CHANGE ORDER NO. 3

DATE: July 29, 1997

OWNER: City of San Bernardino Municipal Water Department

CONTRACTOR: Trautwein Construction

PROJECT: Furnish All Labor, Equipment, and Materials Required For a Raw Water Transmission Pipeline Consisting of 12" C900 and 12", 16", and 24" Ductile Iron Pipe, and Associated Appurtenances for the Newmark Drinking Water Restoration Superfund Project, San Bernardino, California

You are hereby requested to make the following described changes and/or additions to the project Plans and Specifications.

Item No.	Description of Changes and/or Additions	Decrease in Contract Price (Change in Contract Time)	Increase in Contract Price (Increase in Contract Time)
1.	Additional Asphalt Repair		\$ 9,657.70 (0 days)
2.	Additional Base Paving per City Engineering Dept.		\$ 470.93 (0 days)
3.	18 Lineal Feet of 12" ductile iron pipe per Inspector		\$ 1,400.00 (0 days)
4.	Removal of existing concrete underlayment above contract estimate		\$ 4,993.00 (0 days)
5.	Repair/Replace 12 sewer laterals above contract estimate		\$ 6,000.00 (0 days)
	TOTAL		<u>\$ 22,521.63</u>

Original Contract Amount:	\$ 574,674.70
Net Change By Previous Change Orders:	\$ 43,533.00
Contract Amount Prior to This Change Order:	\$ 618,207.70
Net Increase Due To This Change	\$ 22,521.63
Net Contract Amount, Including This Change Order:	\$ 640,729.33
Net Change in Contract Price:	\$ 66,054.63

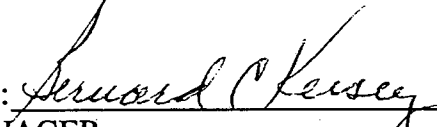
The additional work contained with this Change Order can be performed incidental to the prime work and any Change Order work issued to date and is able to be completed concurrently with remaining work to be performed under the items of the Contract, without interference or delay to the Contractor. The work required by the Change Order can be completed within the time allotted for the original Contract plus the extensions to the Contract time made by this and any previously issued Change Orders.

The amounts indicated above shall be compensation in full for the work described including all direct and indirect, incidental or consequential costs or expenses, including but not limited to, extended overhead and other impact costs, that have been or will be incurred by the Contractor.

The total Contract performance time is not changed.

ACCEPTED BY:  DATE: 8-13-97
TRAUTWEIN CONSTRUCTION

RECOMMENDED BY:  DATE: 8-13-97
REPRESENTATIVE
CITY OF SAN BERNARDINO MUNICIPAL WATER DEPARTMENT

APPROVED BY:  DATE: 8-5-97
GENERAL MANAGER
CITY OF SAN BERNARDINO MUNICIPAL WATER DEPARTMENT
(or)
PRESIDENT, BOARD OF WATER COMMISSIONERS
CITY OF SAN BERNARDINO

**SPECIFICATION NO. 1267
CHANGE ORDER NO. 3
ITEM NO. 1**

TITLE: Asphalt Cap

DESCRIPTION: Cost of Additional Cap

REASON: Approximately 41,990 Square Feet of additional asphalt cap was required by City of San Bernardino Public Works Department Engineer. Additional pavement cap width was needed due to surface scuffing of roadway.

COMPENSATION

BASIS: Lump Sum

**PROJECT
MANAGER'S**

EST. COST: \$.23 per square foot; 41,990 SF x \$.23 = \$9,657.70

TIME: 0 days

CONTRACTOR'S

PROP. COST: \$.23 per square foot; 41,990 SF x \$.23 = \$9,657.70

TIME: 0 days

NEGOTIATED

TOTAL COSTS: \$.23 per square foot; 41,990 SF x \$.23 = \$9,657.70

TIME: 0 days

NOTIFICATION: Contractor notified Operations Superintendent and Project Manager .

**SPECIFICATION NO. 1267
CHANGE ORDER NO. 3
ITEM NO. 2**

TITLE: Additional Base Paving

DESCRIPTION: Cost of Additional Base Paving Required by City Engineer

REASON: Additional 1" Base Paving required by City Engineering Department due to non-compactible native soils. Base Paving was 273 LF x 7.5 F at \$.23 per LF.

COMPENSATION
BASIS: Lump Sum

PROJECT
MANAGER'S
EST. COST: \$.23 per square foot; $273 \times 7.5 \times \$0.23 = \470.93
TIME: 0 days

CONTRACTOR'S
PROP. COST: \$.23 per square foot; $273 \times 7.5 \times \$0.23 = \470.93
TIME: 0 days

NEGOTIATED
TOTAL COSTS: \$.23 per square foot; $273 \times 7.5 \times \$0.23 = \470.93
TIME: 0 days

NOTIFICATION: Contractor notified Operations Superintendent and Project Manager.

**SPECIFICATION NO. 1267
CHANGE ORDER NO. 3
ITEM NO. 3**

TITLE: Additional 12" D.I.P.

DESCRIPTION: Cost of Additional 18 LF of 12" D.I.P.

REASON: Approximately 18 LF of additional C-900 Ductile Iron Pipe was requested by the Water Department Inspector at EPA Well No. 1 in order to bring the point of connection further west in order to make future onsite construction easier.

COMPENSATION

BASIS: Lump Sum

**PROJECT
MANAGER'S**

EST. COST: \$80 per linear foot; 18 LF x \$80.00 = \$1,400.00

TIME: 0 days

CONTRACTOR'S

PROP. COST: \$80 per linear foot; 18 LF x \$80.00 = \$1,400.00

TIME: 0 days

NEGOTIATED

TOTAL COSTS: \$80 per linear foot; 18 LF x \$80.00 = \$1,400.00

TIME: 0 days

NOTIFICATION: Contractor notified Operations Superintendent, Project Manager and Inspector.

**SPECIFICATION NO. 1267
CHANGE ORDER NO. 3
ITEM NO. 4**

TITLE: Concrete Removal

DESCRIPTION: Cost of Removing Concrete Underlayment

REASON: Approximately 4,993 Square Feet of additional concrete underlayment, over and above the contract estimate of 30,000 SF, needed to be removed

COMPENSATION

BASIS: Lump Sum

**PROJECT
MANAGER'S**

EST. COST: \$1.00 per square foot; 4,993 SF x \$1.00 = \$4,993.00

TIME: 0 days

CONTRACTOR'S

PROP. COST: \$1.00 per square foot; 4,993 SF x \$1.00 = \$4,993.00

TIME: 0 days

NEGOTIATED

TOTAL COSTS: \$1.00 per square foot; 4,993 SF x \$1.00 = \$4,993.00

TIME: 0 days

NOTIFICATION: Contractor notified Operations Superintendent and Project Manager .

**SPECIFICATION NO. 1267
CHANGE ORDER NO. 3
ITEM NO. 5**

TITLE: Sewer Laterals

DESCRIPTION: Replacement/Repair of Sewer Laterals

REASON: One hundred twelve (112) sewer laterals were repaired or replaced during construction of the pipeline, which is 12 more than estimated in the specification.

COMPENSATION

BASIS: Lump Sum

**PROJECT
MANAGER'S**

EST. COST: \$500.00 per sewer lateral; 12 x \$500 = \$6,000.00

TIME: 0 days

CONTRACTOR'S

PROP. COST: \$500.00 per sewer lateral; 12 x \$500 = \$6,000.00

TIME: 0 days

NEGOTIATED

TOTAL COSTS: \$500.00 per sewer lateral; 12 x \$500 = \$6,000.00

TIME: 0 days

NOTIFICATION: Contractor notified Operations Superintendent and Project Manager .

RECORDING REQUESTED BY

and

AND WHEN RECORDED MAIL TO:

San Bernardino, Official Rec 1s, County of
Errol J. Jkzum, Recorder

No Fee

Doc No. 19970293270
11:17am 08/14/97

NAME Marjorie A. Hoverland
STREET City of San Bernardino
ADDRESS Municipal Water Department
CITY, STATE & P. O. Box 710
ZIP CODE San Bernardino, CA 92402

205 20091555 02 11

1	2	3	4	5	6	7	8	9	0
PG	FEE	APF	GIMS	PH CPY	CRT CPY	ADD NM	PEN PR	PCOR	
1	0								
			5				6		
NON ST	LN	SVY	CIT-CO	TRANS TAX	DA	CHRG	EXAM		

NOTICE OF COMPLETION

Notice pursuant to Civil Code Section 3093, must be filed within 10 days after completion. (See reverse side for Complete requirements.)

Notice is hereby given that:

1. The undersigned is owner or corporate officer of the owner of the interest or estate stated below in the property hereinafter described:
2. The full name of the owner is City of San Bernardino Municipal Water Department
3. The full address of the owner is 300 North D Street, San Bernardino, CA 92418
4. The nature of the interest or estate of the owner is: In fee.

(IF OTHER THAN FEE, STRIKE "IN FEE" AND INSERT, FOR EXAMPLE, "PURCHASER UNDER CONTRACT OF PURCHASE," OR "LESSEE")

5. The full names and full addresses of all persons, if any, who hold title with the undersigned as joint tenants or as tenants in common are:

NAMES

ADDRESSES

N/A

N/A

- The full names and full addresses of the predecessors in interest of the undersigned, if the property was transferred subsequent to the commencement of the work or improvements herein referred to:

NAMES

ADDRESSES

N/A

N/A

7. A work of improvement on the property hereinafter described was completed on April 26, 1997. The work done was:
Furnish all labor, equipment and materials required for a raw water transmission pipeline for the Newmark Drinking Water Restoration Superfund Project

8. The name of the contractor, if any, for such work of improvement was Trautwein Construction

January 23, 1997

(IF NO CONTRACTOR FOR WORK OF IMPROVEMENT AS A WHOLE, INSERT "NONE")

(DATE OF CONTRACT)

9. The property on which said work of improvement was completed is in the City of San Bernardino, County of San Bernardino, State of CA, and is described as follows: South of Mt. View Ave Station 9+00; North of Mt. View Ave Station 9+00 and South of Mt. View Station 44+00; North of Mt. View Station 44+00 and South of Mt. View Ave. Station 60+63 of the Newmark Drinking Water Restoration Superfund Project.

10. The street address of said property is N/A

(IF NO STREET ADDRESS HAS BEEN OFFICIALLY ASSIGNED, INSERT "NONE")

Dated: August 5, 1997

Bernard C. Kersey
(SIGNATURE OF OWNER OR CORPORATE OFFICER OF OWNER NAMED IN PARAGRAPH 2 OR HIS AGENT)
Bernard C. Kersey, General Manager
City of San Bernardino Municipal Water Department

VERIFICATION

I, the undersigned, say: I am the General Manager the declarant of the foregoing notice of completion;

("PRESIDENT OF", "MANAGER OF", "PARTNER OF", "OWNER OF", ETC.)

I have read said notice of completion and know the contents thereof; the same is true of my own knowledge. I declare under penalty of perjury that the foregoing is true and correct.

Executed on August 5, 1997 at San Bernardino, CA
(City) (STATE)

(PERSONAL SIGNATURE OF THE INDIVIDUAL WHO IS SWEARING THAT THE CONTENTS OF THE NOTICE OF COMPLETION ARE TRUE.)
Bernard C. Kersey
Bernard C. Kersey, General Manager

WOLCOTTS FORM 1114 - Rev. 8-94 (price class 3A)

NOTICE OF COMPLETION

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City of San Bernardino Municipal Water Dept.

(See reverse side for additional information)



**CITY OF SAN BERNARDINO
MUNICIPAL WATER DEPARTMENT
INTEROFFICE MEMORANDUM**

Wb JUL 30 1997

TO: Bernard C. Kersey, General Manager

FROM: Paul E. Harmon, Director of Finance

RE: NOTICE OF COMPLETION - SPECIFICATION 1267 - FURNISH ALL LABOR, EQUIPMENT, AND MATERIALS REQUIRED FOR A RAW WATER TRANSMISSION PIPELINE CONSISTING OF 12" C900 AND 12", 16", AND 24" DUCTILE IRON PIPE AND ASSOCIATED APPURTENANCES FOR THE NEWARK DRINKING WATER RESTORATION SUPERFUND PROJECT

DATE: July 30, 1997

COPIES: Joe Stejskal, Director Engineering, Construction and Maintenance; James Dye; Senior Engineer; Lana Kennerly, Accounting Technician; Legal File

BACKGROUND:

On January 9, 1997, the Board awarded the contract for the construction of the raw water transmission pipeline and associated appurtenances for the Newark Drinking Water Restoration Superfund Project to Trautwein Construction, for a lump sum amount of \$574,674.70. Change Order No. 1 increased the pipe size from 12" to 16" for the 900 feet section on 11th Street between Wells No. 1 and 2 and was authorized by the Board on March 4, 1997. This change order increased the contract amount by \$6,300.00 and added two days to the contract completion time. The Board, on June 3, 1997, approved Change Order No. 2 which replaced the native soils with Class II base due to native soils failing the compaction test. This change order increased the contract amount by \$37,233.00 with no increase in the contract completion time of 122 days.

CHANGE ORDER NO. 3

Included in the bid approved by the Board were provisions for Additions and Deletions for work different than indicated on the Plans or for work in excess of specifications estimate. However, these were not included in the contract. Net Additions to this contract totaled \$22,521.63. These additions were for the repair and replacement of 12 additional sewer laterals over the number estimated by the specification, the removal of existing concrete underlayment over and above the specification estimate, additional required asphalt cap, and additional 1" base paving required by the City Engineering Department. The addition of these costs was dependent on the Engineer's approval prior to the work being

Subject: NOTICE OF COMPLETION - SPECIFICATION 1267 - FURNISH ALL
LABOR, EQUIPMENT, AND MATERIALS REQUIRED FOR A RAW WATER
PIPELINE INSTALLATION AND ASSOCIATED APPURTENANCES FOR
THE NEWARK DRINKING WATER RESTORATION SUPERFUND PROJECT
JULY 30, 1997

Page 2

performed and are included in Change Order No. 3. Therefore, the total revised contract amount is \$640,729.33. The recap sheet, attached, shows the breakdown of contract additions.

NOTICE OF COMPLETION:

The Project Manager, James Dye, Senior Engineer, has inspected the work site and states that the project has been constructed to the specifications and has passed all applicable tests. A certification letter that the contractor has paid all employees, subcontractors and suppliers has been received and reviewed. The contract was completed on April 26, 1997.

The terms of the contract include a 10% retention that amounts to \$64,072.93. The final invoice was submitted on July 17, 1997, and was adjusted for a billing error in the April 30, 1997, invoice. The revised amount, \$62,980.78, will be paid 90 days after the filing of the Notice of Completion

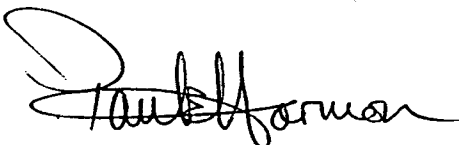
RECOMMENDATION:

Staff recommends approval of Change Order No. 3 in the amount of \$22,521.63 with no increase in contract time, and acceptance of the project with a final completion date of April 26, 1997, filing the Notice of Completion, and authorizing payment of the 10% retention 90-days after the filing of the aforementioned notice. Should the Board concur, the appropriate action would be:

a motion to approve Change Order No. 3 for contract additions for work over and above the specification estimate in the amount of \$22,521.63, with no increase in contract time; and

a motion to approve the project with a final acceptance date of April 26, 1997; and to direct staff to file a Notice of Completion; and authorize staff to release the 10% retention 90 days after the filing of said notice.

Respectfully submitted,



Paul E. Harmon
Director of Finance

**City of San Bernardino Municipal Water Department
Contract Specification No. 1267**

Contractor: **Trautwein Construction**

Invoice No.	Date	Invoice Amount	Contract Additions	Change Order	Contract Amount	Balance Remaining	10% Retention	Amount Paid
Contract Award 1/9/97					574,674.70			
1		183,597.04			574,674.70	391,077.66	18,359.70	165,237.34
BOWC	03/04/97			6,300.00	580,974.70	397,377.66		
2	04/07/97	237,882.80			580,974.70	159,494.86	23,788.28	214,094.52
3	04/30/97	183,229.99			580,974.70	(23,735.13)	18,323.00	164,906.99
4	Various		22,521.63		603,496.33	(1,213.50)		
5				37,233.00	640,729.33	36,019.50		
6	04/30/97	37,233.00			640,729.33	(1,213.50)	3,723.30	33,509.70

Invoice error:
4/30/97

(1,213.50)

(1,213.50)

<u>640,729.33</u>	<u>22,521.63</u>	<u>43,533.00</u>	<u>62,980.78</u>	<u>577,748.55</u>
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CONTRACT ADDITIONS

Description:

Additional Asphalt Repair over contract estimate	6,029.91
Less: ELCO Repair Asphalt Cap Area	(4,927.29)
Additional Base Paving per City Engineering Dept	470.93
18 LF 12" D.I.P. per inspector over contract estimate	1,400.00
Removal of existing concrete underlayment above contract estimate	4,993.00
Additional Asphalt Cap above contract estimate	8,555.08
Repair/Replace 12 sewer laterals above contract estimate	6,000.00
	<u>22,521.63</u>